

## California Weather-Hydro Conditions during April 2012

As of April 30, statewide hydrologic conditions were as follows: precipitation, 75 percent of average to date; runoff, 65 percent of average to date; snow water equivalent, 40 percent of average for the date (30 percent of the April 1 average); and reservoir storage, 115 percent of average for the date. Sacramento River Region unimpaired runoff observed through April 30, 2012 was about 8.5 million acre-feet (MAF), which is about 64 percent of average. For comparison, on April 30, 2011, the observed Sacramento River Region unimpaired runoff through that date was about 16.5 MAF, or about 124 percent of average.

Precipitation in April was generally above average or near average across California. On April 30, the Northern Sierra 8-Station Precipitation Index Water Year total was 39.7 inches, which is about 87 percent of the seasonal average to date and 79 percent of an average water year (50.0 inches). During April, the total precipitation for the 8-Stations was 6.5 inches, which is about 167 percent of the monthly average. Last year on April 30, the seasonal total for the 8-Stations was 64.3 inches, or about 141 percent of average for the date.

On April 30, the San Joaquin 5-Station Precipitation Index Water Year total was 24.0 inches, which is about 65 percent of the seasonal average to date and 59 percent of an average water year (40.8 inches). During April, the total precipitation for the 5-Stations was 4.8 inches, which is about 137 percent of the monthly average. Last year on April 30, the seasonal total for the 5-Stations to date was 57.7 inches, or about 156 percent of average for the date.

Selected Cities Precipitation Accumulation as of 04/30/2012 (National Weather Service Water Year: July through June)					
City	Jul 1 to Date 2011 - 2012 (in inches)	% Avg	Jul 1 to Date 2010 - 2011 (in inches)	% Avg	% Avg "Water Year" Jul 1 to Jun 30 2011- 2012
Eureka	38.02	101	42.41	112	94
Redding	22.75	71	31.02	97	66
Sacramento	12.18	69	21.46	122	66
San Francisco	15.58	68	25.75	113	66
Fresno	8.15	75	15.25	140	71
Bakersfield	4.93	79	10.02	161	76
Los Angeles	7.60	61	17.30	138	59
San Diego	8.01	79	12.23	120	77

Key Reservoir Storage (1,000 AF) as of 04/30/2012								
Reservoir	River	Storage	Avg Storage	% Average	Capacity	% Capacity	Flood Control Encroachment	Total Space Available
Trinity Lake	Trinity	2,338	2,049	114	2,448	96	---	110
Shasta Lake	Sacramento	4,440	3,974	112	4,552	98	-112	112
Lake Oroville	Feather	3,422	2,939	116	3,538	97	139	116
New Bullards Bar Res	Yuba	930	760	122	966	96	34	36
Folsom Lake	American	933	730	128	977	96	131	44
New Melones Res	Stanislaus	1,945	1,482	131	2,420	80	-281	475
Don Pedro Res	Tuolumne	1,652	1,470	112	2,030	81	-65	378
Lake McClure	Merced	773	612	126	1,025	75	-77	252
Millerton Lake	San Joaquin	370	365	101	520	71	-150	150
Pine Flat Res	Kings	744	610	122	1,000	74	-256	256
Isabella	Kern	201	224	90	568	35	-160	367
San Luis Res	(Offstream)	1,647	1,861	88	2,039	81	---	392

The latest National Weather Service Climate Prediction Center (CPC) long-range, 1-month precipitation outlook for May 2012, issued April 30, 2012, suggests below average precipitation for Northern and Central California. The outlook suggests no tendency for above or below average rainfall for the southern part of the State.